

Fully Automated Acquisition System

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For the next generation of NASA SLR, the SLR 2000, more precise acquisition data will increase the tracking abilities of the network. To accomplish this it was decided that daily updates of the acquisition data would be the best solution at this time. Since the sites would be operating 7 days a week the acquisition data would have to be updated this frequently so a fully automated acquisition system would be required. This presentation will show how the system works and some relative differences between back to back days. This system is presently being tested at MLRS and the 1.2 meter telescope system at NASA's Goddard Geophysical and Astronomical Observatory. A modified format of the acquisition data is being used by the US Air Force to calibrate some of the NORAD radars.